

MOUNTING VOLVOX

English Mechanic (Feb. 14, 1913) offers the following method for preparing this interesting organism. If in sufficient quantity pour through a fine cloth funnel. After a couple of minutes place the cloth in tube or dish of 2½ per cent formol. Fix for about 5 minutes. Remove the muslin containing the material, which will now be a gelatinous mass of volvox and other small organisms that may have been present.

To remove volvox from muslin, place some 2½ formal in a slightly sloping white plate. Open out the muslin and place the volvox in contact with the fluid. A sable brush and a hand lens should be used to push each volvox off the cloth and up the inclined plate out of the formol. If there is much dirt pour off the old fluid, wipe the plate and replace with clean formol.

Transfer to ringed cell with pipette, and mount. Care is necessary to prevent drying out and the formation of air bubbles.

COUNTING LEUCOCYTES IN CEREBRO-SPINAL FLUID

Chauvet (Le Monde Med.) refers to the necessity of technical exactness in this process for diagnostic and other reasons. The small amount of the fluid available is a complicating fact. He describes at some length the two methods in use: Centrifuging, and Nageotte's Cell Method.

The centrifugation method involves centrifuging, the clotting of the cellular elements, dropping clot on slide, drying it in open air, fixing with absolute alcohol or ether, staining in aqueous eosin (1 per cent) or with hæmatoxylin, mounting in cedar oil. Under normal conditions one finds not more than 2 or 3 mono-nuclear cells on an average in a 1-12 immersion field. It would imply a pathological lymphocytosis if 7 or 8 lymphocytes were to be found in that space. It is quite clear that the method is open to such possible errors that enumeration by means of it must be uncertain in diagnostic value.

Nageotte's Cell Method involves the use of a cell of known dimensions. Its bottom is ruled into minute parallelograms. This cell is completely filled with cerebro-spinal fluid to which a minute amount of Unna's blue has been added for staining. The filled cell